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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/647,599	10/03/2000	Leigh T Canham	124-796	1219
23117 NIXON & VA	7590 09/10/200 NDERHYE, PC	EXAMINER		
901 NORTH GLEBE ROAD, 11TH FLOOR			AZPURU, CARLOS A	
ARLINGTON,	, VA 22203		ART UNIT	PAPER NUMBER
			1615	
			MAIL DATE	DELIVERY MODE
			09/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	09/647,599	CANHAM ET AL.				
Office Action Summary	Examiner	Art Unit				
•	Carlos A. Azpuru	1615				
The MAILING DATE of this communication app		t with the correspondence address				
Period for Reply		·				
A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING D Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMU 36(a). In no event, however, ma will apply and will expire SIX (6) , cause the application to become	INICATION. y a reply be timely filed MONTHS from the mailing date of this communication. e ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 15 A	<u>ugust 2007</u> .					
2a) This action is FINAL . 2b) ☐ This	This action is FINAL . 2b)⊠ This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	Ex parte Quayle, 1935	D.D. 11, 453 O.G. 213.				
Disposition of Claims	•					
4) ⊠ Claim(s) 180-189 is/are pending in the applica 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 180-186,188 and 189 is/are rejected. 7) ⊠ Claim(s) 187 is/are objected to. 8) □ Claim(s) are subject to restriction and/o	wn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected drawing(s) be held in about tion is required if the draw	eyance. See 37 CFR 1.85(a). ring(s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	s have been received. Is have been received In rity documents have be In (PCT Rule 17.2(a)).	n Application No een received in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper 5) Notice	ew Summary (PTO-413) No(s)/Mail Date of Informal Patent Application				

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DETAILED ACTION

Receipt is acknowledged of the request for continued examination filed 08/15/2007.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 180-189 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

With regard to claim 180, there is no support for the language referring to the "corrodible" characteristic of the claimed implants. It is therefore suggested that the language of the specification at page 4, lines 14-17 instead be used.

Claims 181-183 have no support for the claimed porosity ranges and values.

Regarding claim 184, there is no support for the range set out. Applicant is requested to use the language of page 7, lines 20-23.

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With regard to the range of claim 185, the original specification does not include a value equal to 2mm in this range as seen at page 5, line 18.

Claim 186 refers to "atomic percent" which is not clearly defined or recognized in the art. Since this may be due to a translation issue, applicant is requested to clarify the percent amount.

Claim 188 does not have support in the original specification in that phosphorus is not disclosed.

These claims are rejected for containing new matter and written descritpion.

Claim 189 is rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for platinum, does not reasonably provide enablement for all anti-cancer substances. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention commensurate in scope with these claims.

Applicant's invention is not inclusive of all anticancer drugs in that only certain elements such as metals, which can be incorporated into the porous silicone implant

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are contemplated. No disclosure or suggestion is made of other anticancer bioactives such as taxol. Correction is requested.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 186 recites the limitation "the element" in claim 180. There is insufficient antecedent basis for this limitation in the claim.

Claim 180 does not refer to an "element". Correction is requested.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 180 – 184 are rejected under 35 U.S.C. 102(b) as being anticipated by WO'97/06101 (WO'101).

WO'101 discloses a silicone particle which exist in microporous, mesoporous and macroporous form. Resorption (corrodible characteristic) although not taught is an inherent characteristic of the material selected. In this case, the same mesoporous silicon particles with the same porosity are selected, so that this characteristic may be considered a new characteristic of a known material. Porosity is disclosed as between 4 and 70% at page 3, line 13. The amount of drug distributed through the implant, the

depth of impregnated bioactive, as well as the amount of resorption are dependent upon the material and its porosity. Similarly, the duration of drug delivery is also determined by the claimed material. Since the reference discloses the same porous silicone material with the claimed parameters, the instant claim is anticipated by WO'101.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 180-184 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO'101.

WO'101 discloses a silicone particle which exist in microporous, mesoporous and macroporous form. Resorption (corrodible characteristic) although not taught is an inherent characteristic of the material selected. In this case, the same mesoporous silicon particles with the same porosity are selected, so that this characteristic may be considered a new characteristic of a known material. The amount of drug distributed through the implant, the depth of impregnated bioactive, as well as the amount of resorption

are dependent upon the material and its porosity. Similarly, the duration of drug delivery is also determined by the claimed material. Since the reference discloses the same porous silicone material with the claimed parameters the claimed silicone particle Would have been within the skill of the ordinary practitioner given the disclosure of WO'101. Further the ordinary practitioner would have expected similar therapeutic results from using the porous silicon of the instant claims given the disclosure of WO'101. The instant claim would have been obvious to one of ordinary skill in the art at the time of invention given the disclosure of WO'101.

Claim 187 is objected to as dependent upon a rejected base claim.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos A. Azpuru whose telephone number is (571) 272-0588. The examiner can normally be reached on Tu-Fri, 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Woodward can be reached on (571) 272-8373. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1009.

Caflos A. Azpunk Primary Examiner

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